FIG. 1A

FIG. 1B

20%

40%

60%

80%

FIG. 2

Warping grid

FIG. 3

Mask

FIG. 4

Dithered image

FIG. 5

FIG. 6

FIG. 7A

FIG. 7B

FIG. 7C
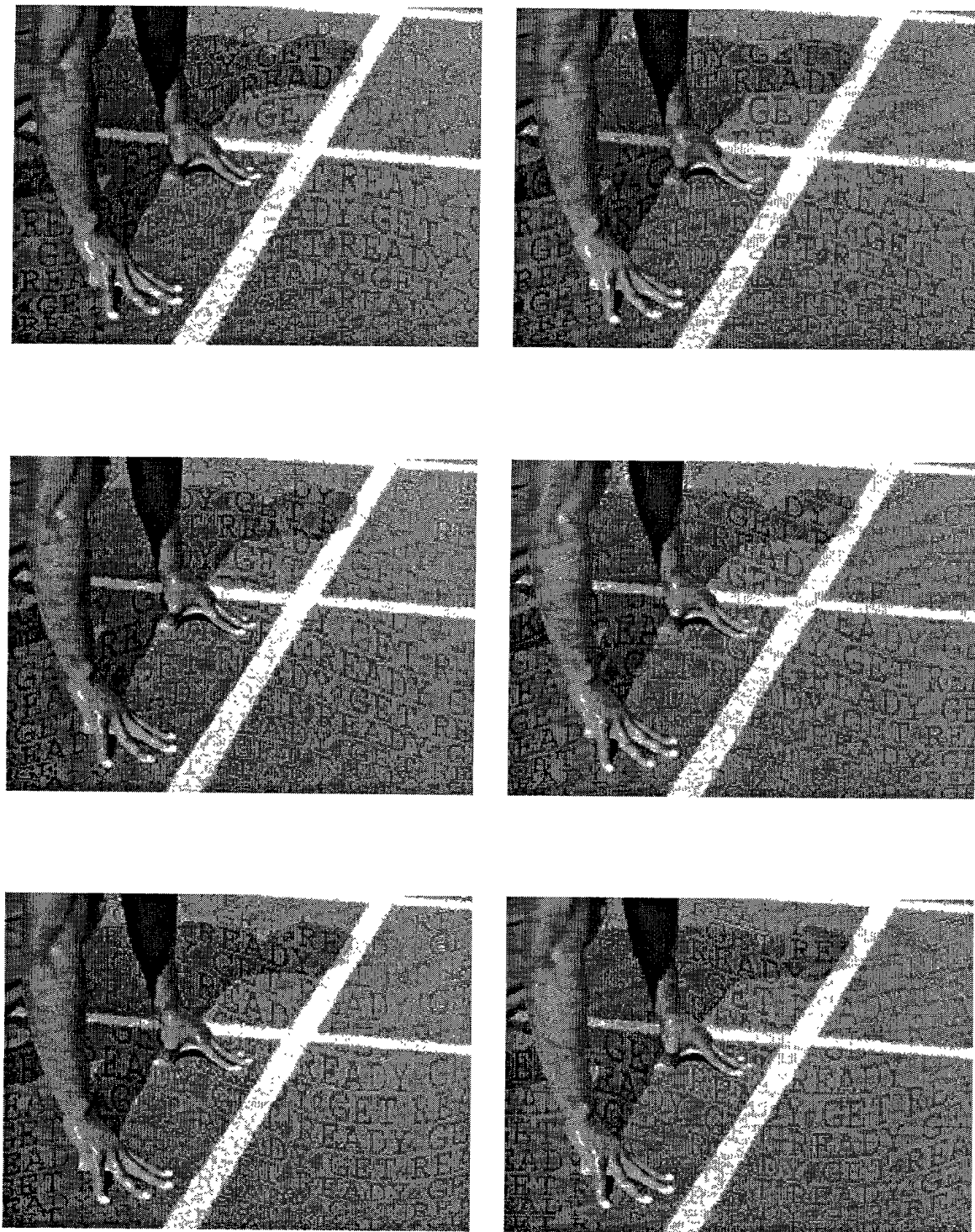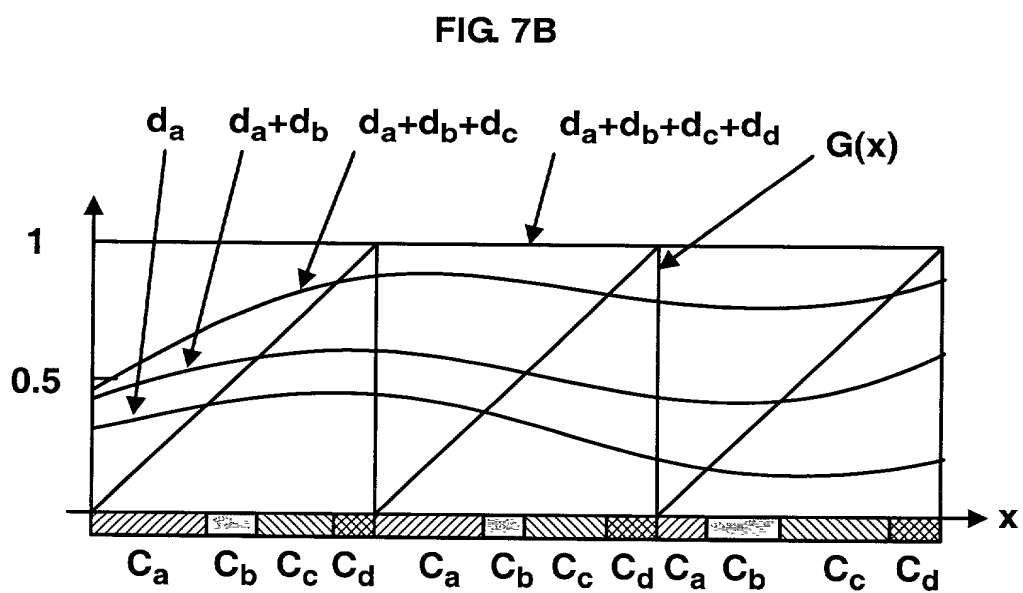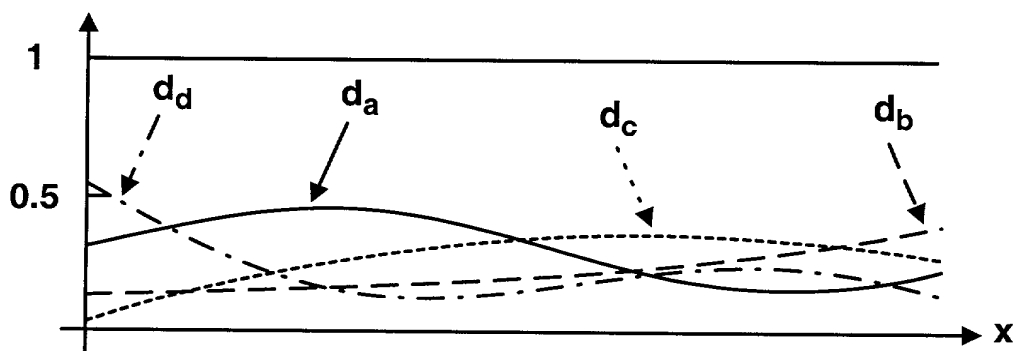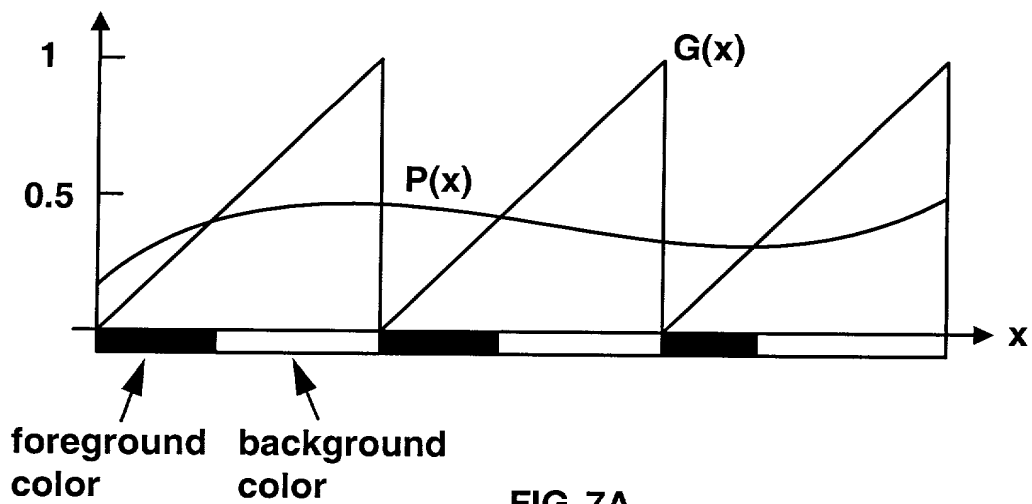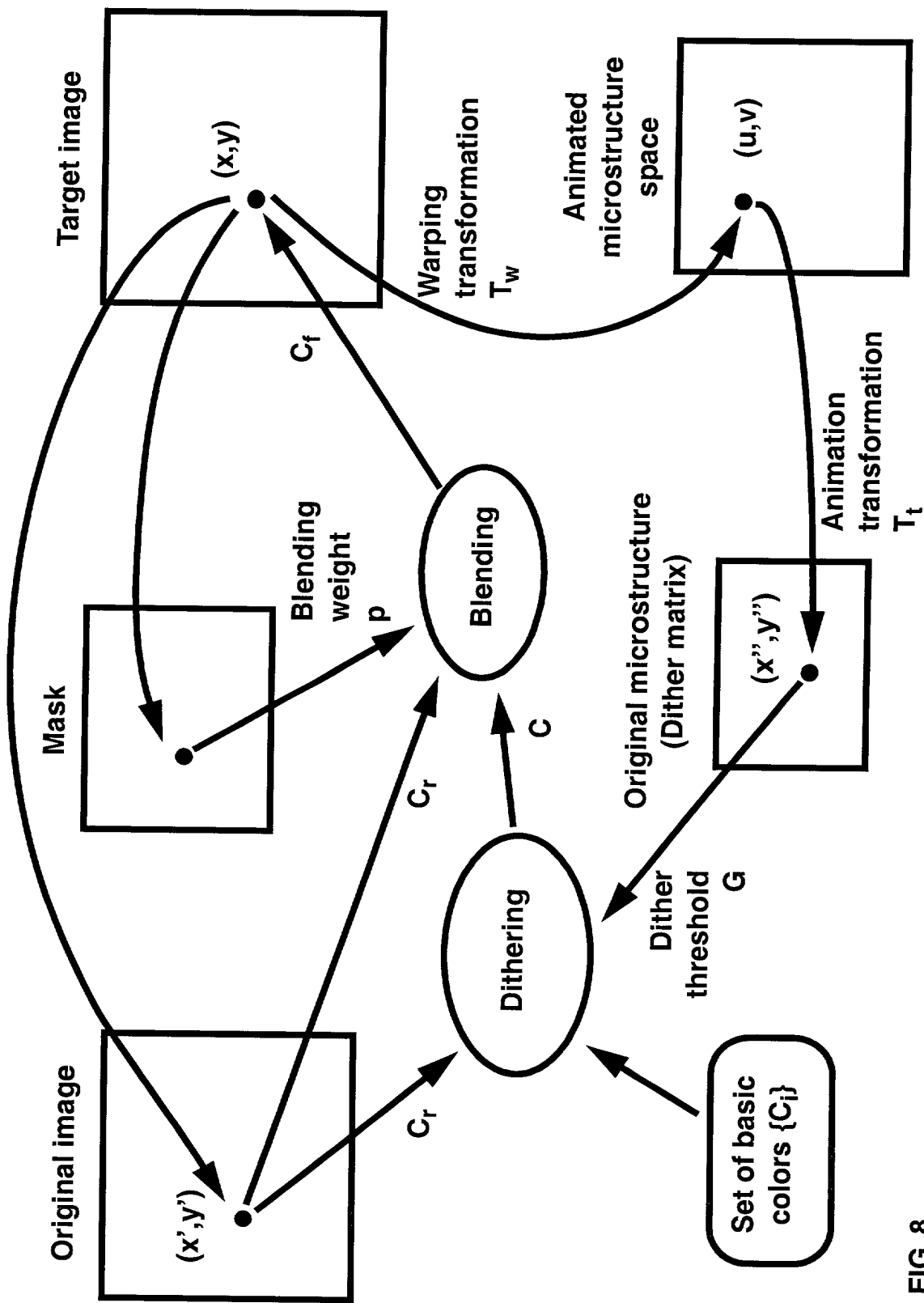
FIG. 8

FIG. 9A
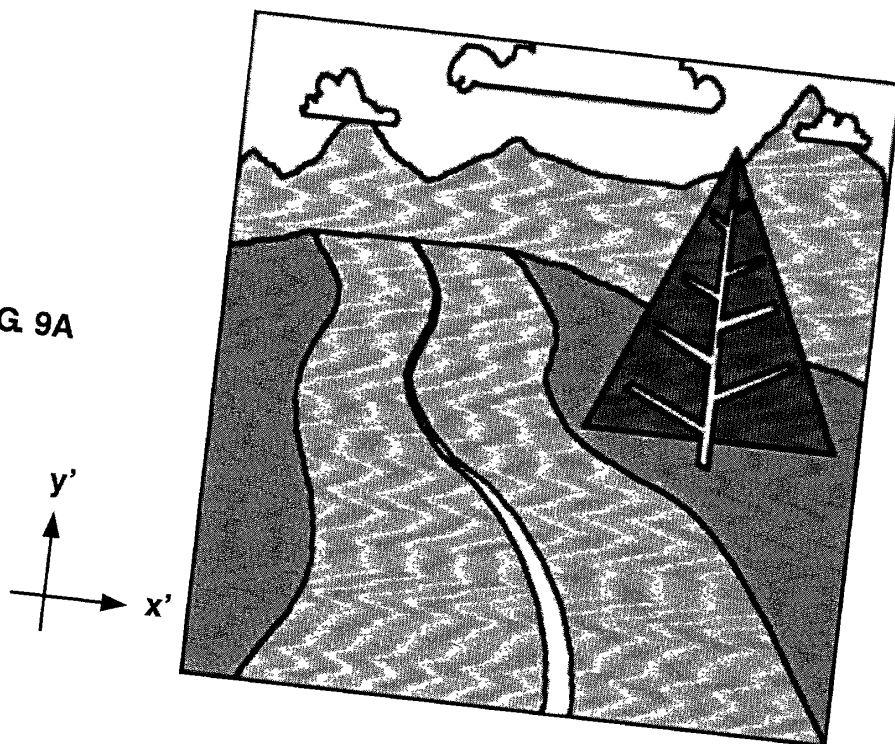
FIG. 9B
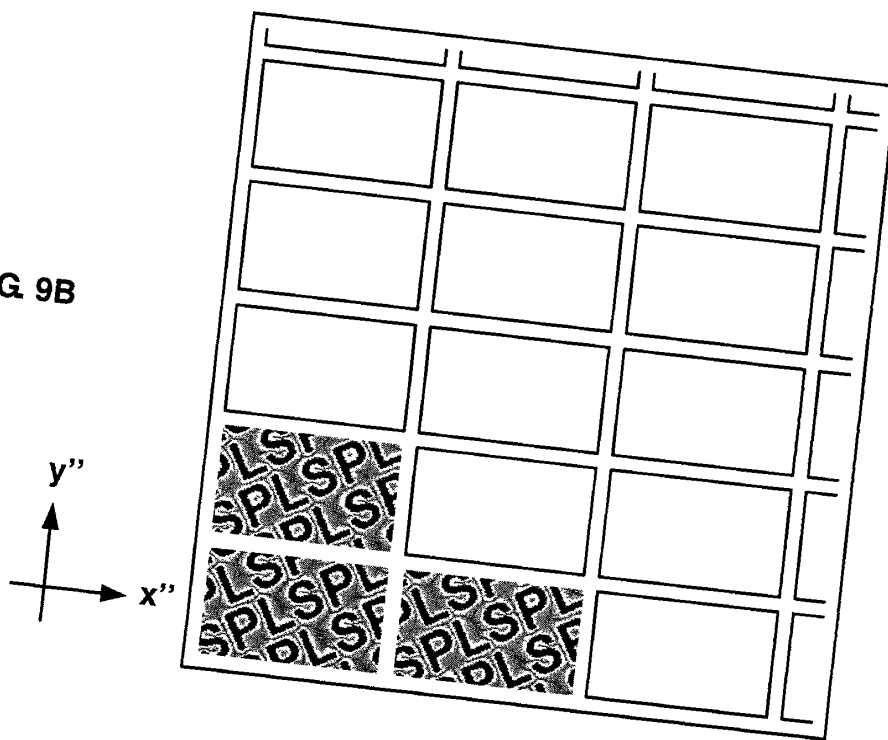
FIG. 10A

FIG. 10B

FIG. 11A

FIG. 11B

Target image
space
(x,y)

y

x

$T_w(x,y)$

v

Animated
dither matrix
space
(u,v)

u

$T_t(u,v)$

y''

Original dither
matrix space
(x'',y'')

x''
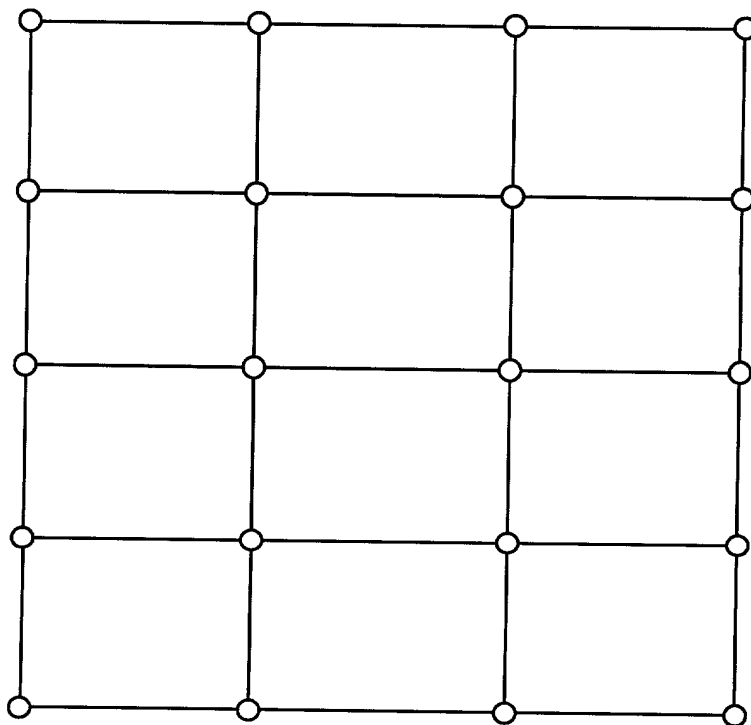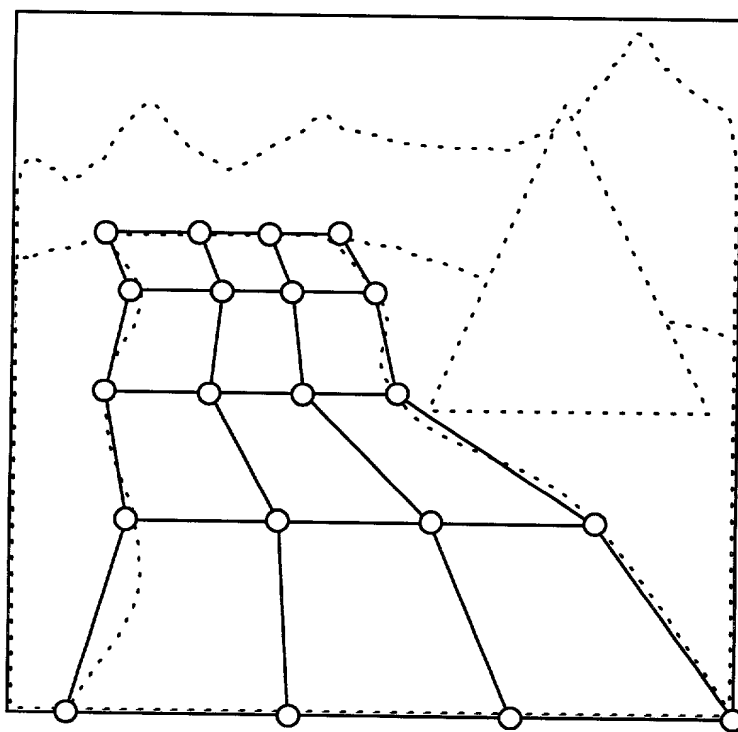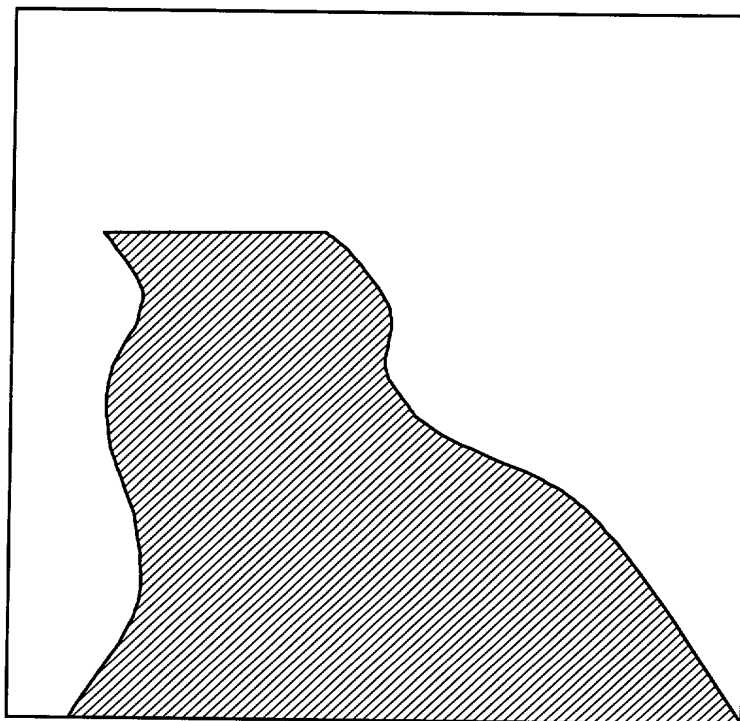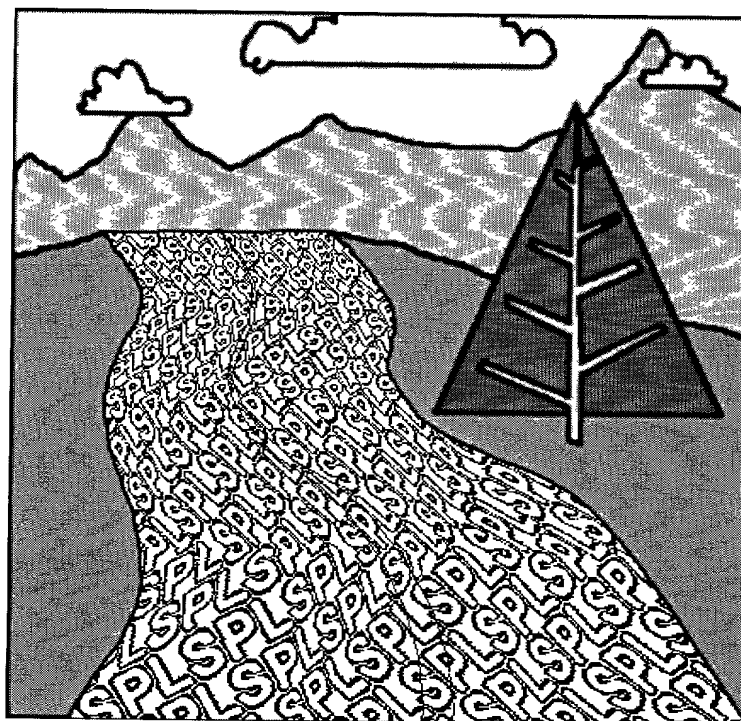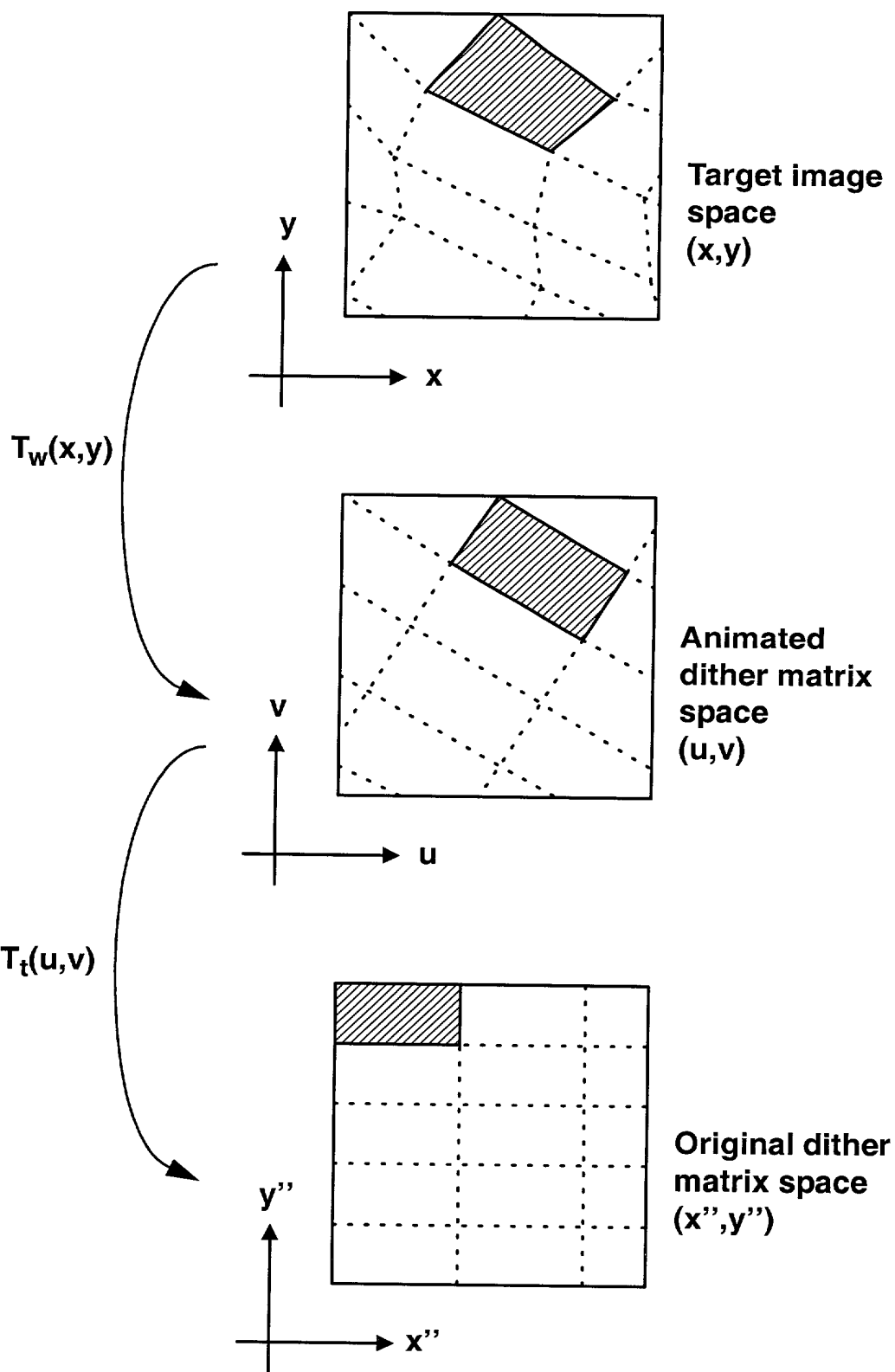
FIG. 12

Original grid
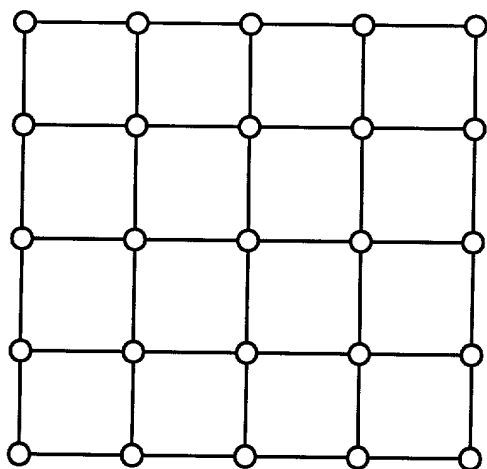
Warped grid
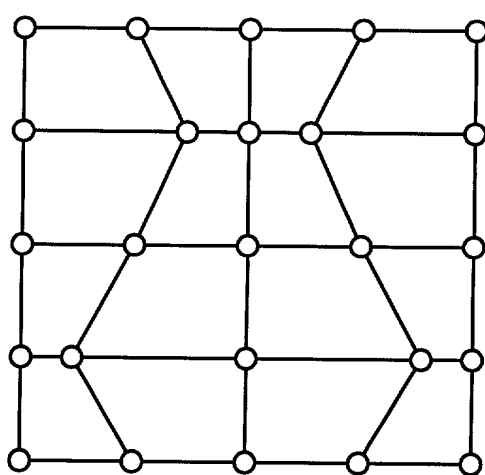
FIG. 13A

Microstructure
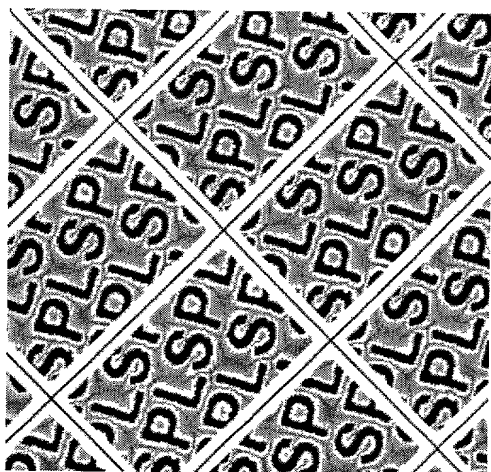
Warped microstructure

FIG. 13B

FIG. 13C

FIG. 14A

FIG. 14B

FIG. 14C

W   Y   R K W M W Y G K W Y C B K

R: Red   C: Cyan   W: White
G: Green   M: Magenta   K: Black
B: Blue   Y: Yellow
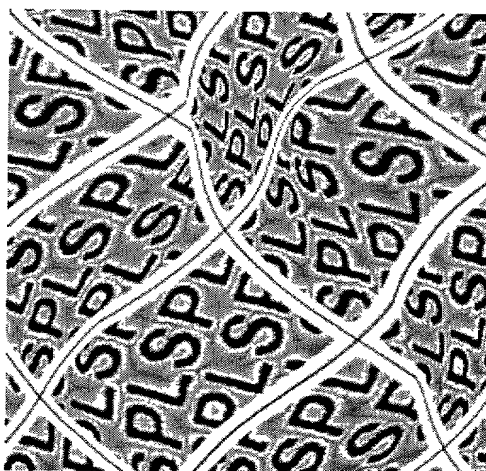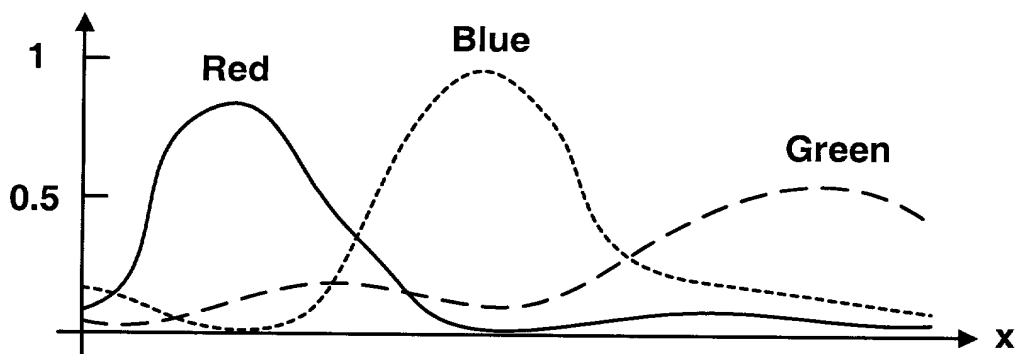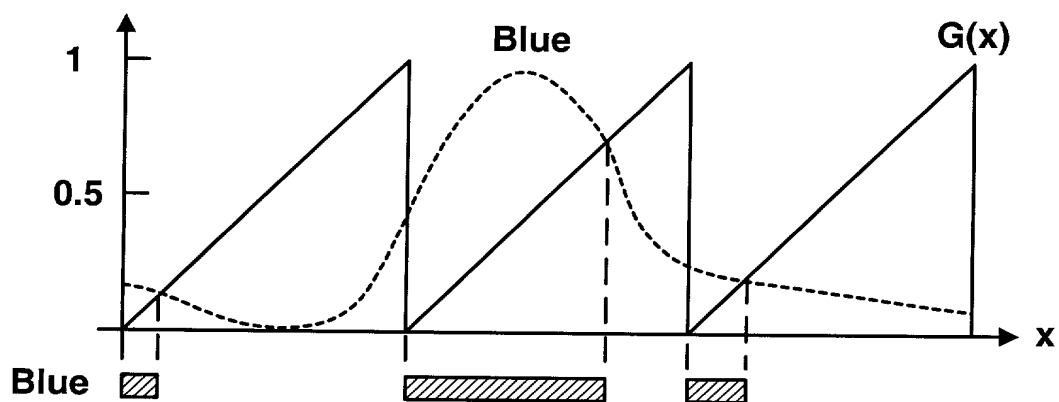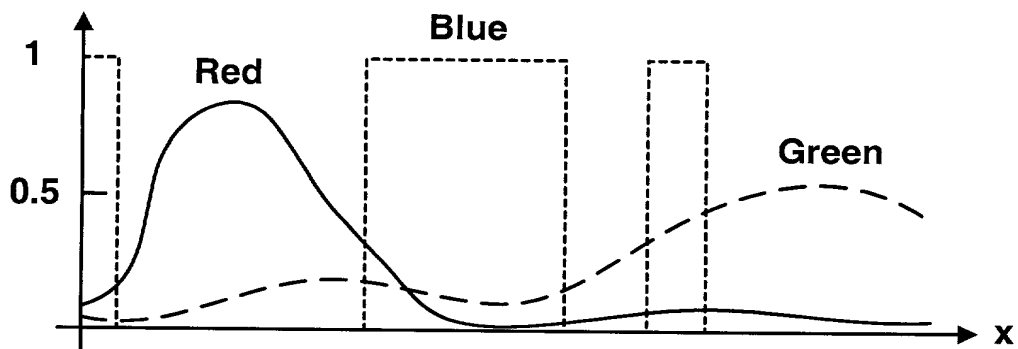
FIG. 15A

FIG. 15B

FIG. 15C

0	8	2	10
12	4	14	6
3	11	1	9
15	7	13	5

FIG. 16A

FIG. 16B

```
Server
computing          - input color image              Client comput-
system             - dither matrix                  ing and display
                   - animation transformation       system
                   - warping transformation
                   - basic color set {C_i}
                   - mask layer
```

FIG. 17

```
Server                  Designer program
system                  or applet running
                        on client computer
```

FIG. 18

Designer logs himself on server synthesizing system

Designer creates the animated microstructure image on his computer by interacting with the server

Designer signs a licensing agreement and is authorized to obtain the designed data elements and the animated microstucture rendering software

FIG. 19

Image with animated microstructure

Web page

The perfect athlet:s site - Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Mail   Print   Edit   Discuss

Address http://www.dummysiteathletics.com/   Go   Links »

Athletics Dummy Site   Sunday, May 13, 200   search

HOME

RESULTS

MEETINGS

ATHLETES   NEW

LINKS

CONTACT

Current IAAF World Rankings
Top 10: (May 7)

WOMEN   MEN
1. Jones   1. Greene
2.Hattestad   2. El Guerrouj

Mike Powell returns victorious

May 13 The come-back of Mike Powell marked the 60th Modesto Relays The long jump world record holder won the event with a jump at 8, 06 m Tim Montgomery ran a wind assisted 9" 96 and Adam Nelson dominated the shot put competition with 20, 73 m Meanwhile, Marion Jones won on Saturday, in her first race of the season, the 100 m race in Princeton with 11" 12

Greene clocked 9" 96. in Japan

May 12 Maurice Greene impressed in Osaka, Japan where he ran the Grand Prix 100 m in 9" 96 , making a perfect start of the ou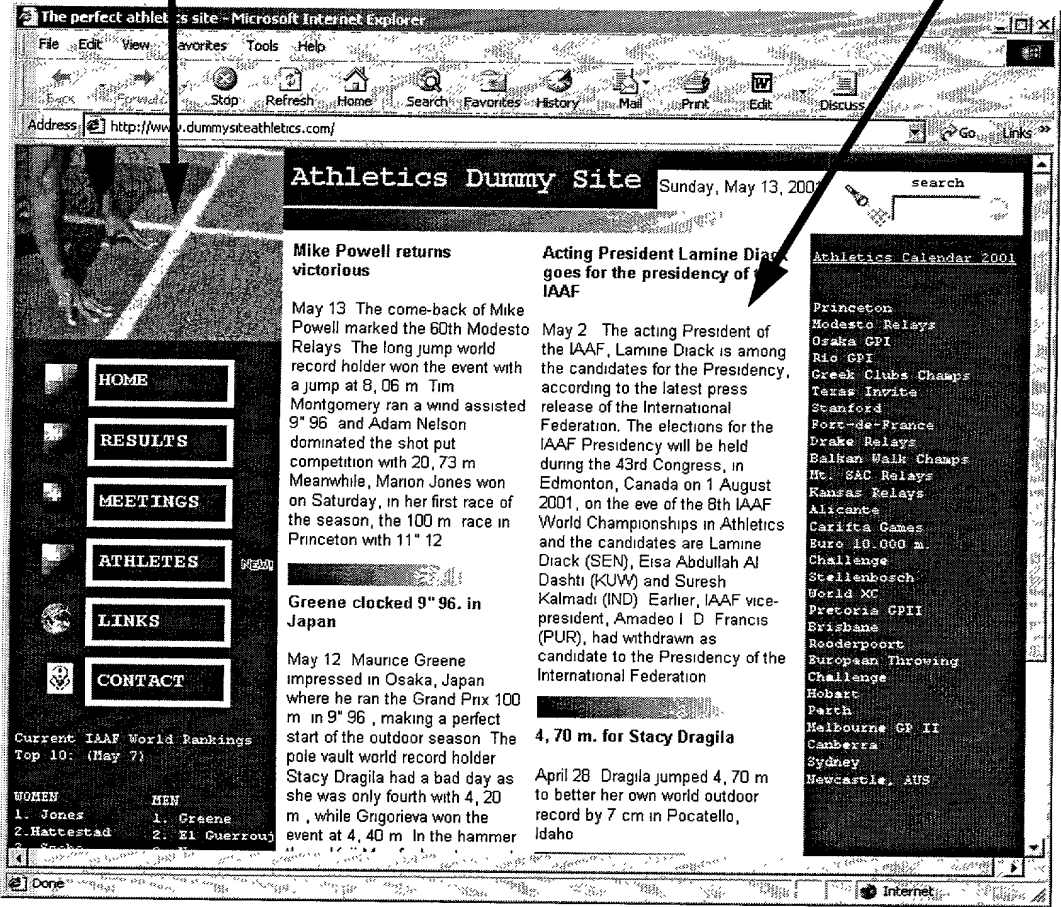tdoor season The pole vault world record holder Stacy Dragila had a bad day as she was only fourth with 4, 20 m , while Grigorieva won the event at 4, 40 m In the hammer

Acting President Lamine Diack goes for the presidency of IAAF

May 2 The acting President of the IAAF, Lamine Diack is among the candidates for the Presidency, according to the latest press release of the International Federation. The elections for the IAAF Presidency will be held during the 43rd Congress, in Edmonton, Canada on 1 August 2001, on the eve of the 8th IAAF World Championships in Athletics and the candidates are Lamine Diack (SEN), Eisa Abdullah Al Dashti (KUW) and Suresh Kalmadi (IND) Earlier, IAAF vice-president, Amadeo I D Francis (PUR), had withdrawn as candidate to the Presidency of the International Federation

4, 70 m. for Stacy Dragila

April 28 Dragila jumped 4, 70 m to better her own world outdoor record by 7 cm in Pocatello, Idaho

Athletics Calendar 2001

Princeton
Modesto Relays
Osaka GPI
Rio GPI
Greek Clubs Champs
Texas Invite
Stanford
Fort-de-France
Drake Relays
Balkan Walk Champs
Mt. SAC Relays
Kansas Relays
Alicante
Carifta Games
Euro 10.000 m.
Stellenbosch
World XC
Pretoria GPII
Brisbane
Rooderpoort
European Throwing Challenge
Hobart
Parth
Melbourne GP II
Canberra
Sydney
Newcastle, AUS

Done   Internet

FIG. 20